

WHAT IS CLAIMED IS:

1. An image forming apparatus, comprising:
 - a photosensitive member,
 - an intermediate transfer material,
 - 5 a first transfer device which transfers on the intermediate transfer material an image formed on the photosensitive member,
 - a second transfer device which transfers on a sheet the image formed on the intermediate transfer
 - 10 material,
 - a feed device which feeds the sheet to the second transfer device,
 - a refeed device which refeeds the sheet, on which the image is transferred by the second transfer
 - 15 device, to the second transfer device with reversing the sheet, and
 - a controller which executes selectively a first mode, in which one image is formed on one round of the intermediate transfer material, and a second mode
 - 20 in which two images are formed on one round of the intermediate transfer material, wherein the controller makes an image, which should be formed on a sheet refeed by the refeed device, formed on a first half area on one round of the intermediate transfer
 - 25 material, and makes an image, which should be formed on a sheet fed by the feed device, on a second half area on one round of the intermediate transfer

material in a case of executing the second mode when performing image formation on both sides of a sheet, and

wherein the controller executes the first mode
5 before returning to the second mode after executing the first mode instead of executing the second mode when performing image formation on both sides of a sheet.

10 2. The image forming apparatus according to claim 1, wherein the controller executes the first mode instead of executing the second mode when formation of an image which should be formed on a sheet which is fed by the feed device is not ready
15 although formation of an image which should be formed on a sheet which is refeed by the refeed device is ready.

3. The image forming apparatus according to
20 claim 2, wherein the controller executes the first mode instead of executing the second mode when formation of an image which should be formed on a sheet which is fed by the feed device is not ready because development to image data from page
25 description language takes time.

4. The image forming apparatus according to

claim 2, wherein the controller executes the first mode instead of executing the second mode when formation of an image which should be formed on a sheet which is fed by the feed device is not ready
5 because image data transfer takes time because of congestion of traffic on a LAN.

5. The image forming apparatus according to claim 1, wherein the controller executes the first
10 mode instead of executing the second mode when processing for image stabilization is performed after formation of an image which should be formed on a sheet which is refeed by the refeed device and before formation of an image which should be formed on a
15 sheet which is fed by the feed device.

6. The image forming apparatus according to claim 5, wherein the controller executes the first mode instead of executing the second mode when image
20 density measurement processing is performed.

7. The image forming apparatus according to claim 5, wherein the controller executes the first mode instead of executing the second mode when
25 cleaning processing is performed.

8. The image forming apparatus according to

claim 5, wherein the controller executes the first mode instead of executing the second mode when toner residual-quantity detection processing is performed.

5 9. The image forming apparatus according to claim 1, wherein the controller executes the first mode instead of executing the second mode when image formation is switched from full color image formation to monochrome image formation between formation of an
10 image which should be formed on a sheet which is refeed by the refeed device and formation of an image which should be formed on a sheet which is fed by the feed device.

15 10. The image forming apparatus according to claim 1, further comprising:

 a plurality of developers each of which forms an image on the photosensitive member;

 a shift device which moves any one of the
20 plurality of developers near the photosensitive member,

 wherein when forming a full color image on a sheet, the controller controls the shift device so as to move the plurality of developers near the
25 photosensitive member by turns, causes an image on the photosensitive member, which is formed by one developer, to be transferred by the first transfer

device to the intermediate transfer material, and controls the second transfer device so that an image formed by the plurality of developers is transferred on the intermediate transfer material, and thereafter, 5 the image on the intermediate transfer material may be transferred to a sheet.